

Datasheet: AAI40F

Description:	GOAT ANTI PIG IgA:FITC
Specificity:	IgA
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen	▪			1/50 - 1/500
Immunohistology - Paraffin			▪	
Immunofluorescence			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using the appropriate negative/positive controls.

Target Species	Pig		
Product Form	Purified IgG fraction conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Antiserum Preparation	Antisera to porcine IgA were raised by repeated immunisation of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	0.2% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml		

Immunogen	Purified porcine IgA.
RRID	AB_323040
Specificity	<p>Goat anti pig IgA antibody recognizes porcine IgA and shows no cross-reactivity with other porcine immunoglobulin classes as assessed by immunoelectrophoresis. This antibody may cross-react with IgA from other species.</p> <p>Goat anti Porcine IgA antibody has been successfully used for the evaluation of porcine IgA levels in body fluids of pigs by both ELISA and Western blotting.</p>
References	<ol style="list-style-type: none"> 1. Takahashi, M. <i>et al</i> (2005) Correlation between positivity for immunoglobulin A antibodies and viraemia of swine hepatitis E virus observed among farm pigs in Japan. J Gen Virol. 86: 1807-13. 2. Linghua, Z. <i>et al</i>. (2008) <i>In vivo oral administration effects of various oligodeoxynucleotides containing synthetic immunostimulatory motifs in the immune response to pseudorabies attenuated virus vaccine in newborn piglets.</i> Vaccine. 26 (2): 224-33. 3. Olvera, A. <i>et al</i>. (2010) <i>Virulence-associated trimeric autotransporters of Haemophilus parasuis are antigenic proteins expressed in vivo.</i> Vet Res. 41: 26. 4. Scharek, L. <i>et al</i>. (2005) <i>Influence of a probiotic Enterococcus faecium strain on development of the immune system of sows and piglets.</i> Vet Immunol Immunopathol. 105: 151-61. 5. Scharek, L. <i>et al</i>. (2007) <i>Impact of the probiotic bacteria Enterococcus faecium NCIMB 10415 (SF68) and Bacillus cereus var. toyoi NCIMB 40112 on the development of serum IgG and faecal IgA of sows and their piglets.</i> Arch Anim Nutr. 61: 223-34. 6. Eblé, P.L. <i>et al</i>. (2007) <i>Serological and mucosal immune responses after vaccination and infection with FMDV in pigs.</i> Vaccine. 25: 1043-54. 7. Bestagno, M. <i>et al</i>. (2007) <i>Recombinant dimeric small immunoproteins neutralize transmissible gastroenteritis virus infectivity efficiently in vitro and confer passive immunity in vivo.</i> J Gen Virol. 88: 187-95. 8. Nakai, I. <i>et al</i>. (2006) <i>Different fecal shedding patterns of two common strains of hepatitis E virus at three Japanese swine farms.</i> Am J Trop Med Hyg. 75: 1171-7. 9. Kang, M.L. <i>et al</i>. (2008) <i>Chitosan microspheres containing Bordetella bronchiseptica antigens as novel vaccine against atrophic rhinitis in pigs.</i> J Microbiol Biotechnol. 18: 1179-85. 10. Picherot, M. <i>et al</i>. (2007) <i>Swine infection with Trichinella spiralis: Comparative analysis of the mucosal intestinal and systemic immune responses.</i> Vet Parasitol. 143: 122-30. 11. Sheoran A <i>et al</i>. (2012) <i>Infection with Cryptosporidium hominis provides incomplete protection of the host against Cryptosporidium parvum.</i> J Infect Dis. 205 (6): 1019-23. 12. Bestagno, M. <i>et al</i>. (2007) <i>Recombinant dimeric small immunoproteins neutralize transmissible gastroenteritis virus infectivity efficiently in vitro and confer passive immunity in vivo.</i> J Gen Virol. 88: 187-95. 13. Cordes, H. <i>et al</i>. (2012) <i>Cell-mediated and humoral immune responses in pigs following primary and challenge-exposure to Lawsonia intracellularis.</i> Vet Res. 43:9. 14. Crisci, E. <i>et al</i>. (2014) <i>Immune characterization of long pentraxin 3 in pigs infected with influenza virus.</i> Vet Microbiol. 168 (1): 185-92. 15. Le Bourgot, C, <i>et al</i>. (2016) <i>Short-chain fructooligosaccharide supplementation during</i>

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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

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'M363652:200528'

Printed on 12 Feb 2021

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